

| L Number | Hits   | Search Text   | DB    | Time stamp       |
|----------|--------|---|-------|------------------|
| 1        | 22332  | ((nozzle head) same (retract\$ exten\$ displac\$)) and spray\$ and (pipe pipeline duct tunnel conduit)  | USPAT | 2004/08/19 16:15 |
| 2        | 1499   | ((nozzle head) same (retract\$ exten\$ displac\$)) and spray\$ and (pipe pipeline duct tunnel conduit)) and (405/\$.ccls. 118/\$.ccls.)   | USPAT | 2004/08/19 16:16 |
| 3        | 8957   | ((nozzle head) same (retract\$ exten\$ displac\$)) and spray\$ and (pipe pipeline duct tunnel conduit)) and (piston cylinder)   | USPAT | 2004/08/19 16:16 |
| 4        | 617    | ((nozzle head) same (retract\$ exten\$ displac\$)) and spray\$ and (pipe pipeline duct tunnel conduit)) and (piston cylinder)) and (405/\$.ccls. 118/\$.ccls.)  | USPAT | 2004/08/19 16:57 |
| 5        | 981    | atomizer.ab.  | USPAT | 2004/08/19 16:57 |
| 6        | 1046   | atomizer.ab.  | USPAT | 2004/08/19 16:58 |
| 7        | 156    | atomizer.ab. and (retract\$ exten\$ displac\$).ab.  | USPAT | 2004/08/19 16:59 |
| 8        | 2      | atomizer.ab. and drawer   | USPAT | 2004/08/19 17:29 |
| 9        | 1092   | atomizer.ti.  | USPAT | 2004/08/19 17:31 |
| -        | 1      | ("4178875").PN.   | USPAT | 2004/08/19 08:30 |
| -        | 515    | (405/150.1,150.2,184.2).CCLS.   | USPAT | 2004/08/19 12:39 |
| -        | 14     | (US-6776558-\$ or US-6520719-\$ or US-6056017-\$ or US-5803665-\$ or US-5674030-\$ or US-5577864-\$ or US-5558882-\$ or US-5253956-\$ or US-5199463-\$ or US-5049003-\$ or US-5044405-\$ or US-4995761-\$ or US-4955755-\$ or US-4043137-\$).did.   | USPAT | 2004/08/18 11:48 |
| -        | 0      | ((US-6776558-\$ or US-6520719-\$ or US-6056017-\$ or US-5803665-\$ or US-5674030-\$ or US-5577864-\$ or US-5558882-\$ or US-5253956-\$ or US-5199463-\$ or US-5049003-\$ or US-5044405-\$ or US-4995761-\$ or US-4955755-\$ or US-4043137-\$).did.) and 137/\$.ccls.                                      | USPAT | 2004/08/18 11:51 |
| -        | 695700 | repair\$ liner lining coating   | USPAT | 2004/08/18 11:52 |
| -        | 214316 | (repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)  | USPAT | 2004/08/18 11:53 |
| -        | 61415  | ((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)  | USPAT | 2004/08/18 11:53 |
| -        | 5596   | ((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and (405/\$.ccls. 138/\$.ccls. 118/\$.ccls.)  | USPAT | 2004/08/18 11:55 |
| -        | 4243   | ((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and (405/\$.ccls. 138/\$.ccls. 118/\$.ccls.) and (rotate rotation rotating rotational angle angled angular swivel twist\$)  | USPAT | 2004/08/18 11:57 |
| -        | 2555   | ((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and (405/\$.ccls. 138/\$.ccls. 118/\$.ccls.) and (rotate rotation rotating rotational angle angled angular swivel twist\$) and (wheel wheeled wheels roller rollers bearings) | USPAT | 2004/08/18 11:58 |

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|---|-------|---|-------|------------------|
| - | 427   | (((((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and (405/\$.ccls. 138/\$.ccls. 118/\$.ccls.)) and (rotate rotation rotating rotational angle angled angular swivel twist\$)) and (wheel wheeled wheels roller rollers bearings)) and (chassis carriage sled)                                       | USPAT | 2004/08/19 12:40 |
| - | 424   | (((((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and (405/\$.ccls. 138/\$.ccls. 118/\$.ccls.)) and (rotate rotation rotating rotational angle angled angular swivel twist\$)) and (wheel wheeled wheels roller rollers bearings)) and (chassis carriage sled)) not ((405/150.1,150.2,184.2).CCLS.)  | USPAT | 2004/08/18 11:59 |
| - | 1308  | ((138/97,98).CCLS.)   | USPAT | 2004/08/18 13:20 |
| - | 1172  | ((138/97,98).CCLS.) not ((405/150.1,150.2,184.2).CCLS.)   | USPAT | 2004/08/18 13:21 |
| - |       | (((((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and (405/\$.ccls. 138/\$.ccls. 118/\$.ccls.)) and (rotate rotation rotating rotational angle angled angular swivel twist\$)) and (wheel wheeled wheels roller rollers bearings)) and (chassis carriage sled)) not ((405/150.1,150.2,184.2).CCLS.)) |       |                  |
| - | 302   | (spray\$ near5 nozzle) same "needle valve"  | USPAT | 2004/08/18 18:56 |
| - | 335   | (spray\$ near5 nozzle) same "needle valve"  | USPAT | 2004/08/18 19:12 |
| - | 97    | ((spray\$ near5 nozzle) same "needle valve") and (mix mixing)   | USPAT | 2004/08/18 18:56 |
| - | 12    | ((spray\$ near5 nozzle) same "needle valve") and polyurethane   | USPAT | 2004/08/18 19:30 |
| - | 5     | (lever same axle same counterweight) and nozzle   | USPAT | 2004/08/18 19:30 |
| - | 831   | nozzle same mix\$ same (pressure near5 regulat\$)   | USPAT | 2004/08/19 08:32 |
| - | 3     | "pressure loss regulator"   | USPAT | 2004/08/19 10:08 |
| - | 25765 | "pressure regulator"  | USPAT | 2004/08/19 10:08 |
| - | 1320  | "pressure regulator" same (spray\$ eject\$)   | USPAT | 2004/08/19 10:19 |
| - | 0     | ("pressure regulator" same (spray\$ eject\$)) and polyurthane   | USPAT | 2004/08/19 10:20 |
| - | 81    | ("pressure regulator" same (spray\$ eject\$)) and polyurethane  | USPAT | 2004/08/19 11:17 |
| - | 88    | "needle valve" and (spray sprayed spraying sprayer) and polyurethane and mixing   | USPAT | 2004/08/19 11:26 |
| - | 1     | ("5462204").PN.   | USPAT | 2004/08/19 11:26 |
| - | 24    | (nozzle same mix\$ same (pressure near5 regulat\$)) and 118/\$.ccls.  | USPAT | 2004/08/19 11:54 |
| - | 427   | (((((repair\$ rehabilitat\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and (405/\$.ccls. 138/\$.ccls. 118/\$.ccls.)) and (rotate rotation rotating rotational angle angled angular swivel twist\$)) and (wheel wheeled wheels roller rollers bearings)) and (chassis carriage sled)                         | USPAT | 2004/08/19 12:47 |
| - | 97813 | 405/\$.ccls. 138/\$.ccls. 118/\$.ccls.  | USPAT | 2004/08/19 13:07 |
| - | 0     | (405/\$.ccls. 138/\$.ccls. 118/\$.ccls.) and "crank axle" and "crank (lever arm)"   | USPAT | 2004/08/19 12:52 |
| - | 0     | (405/\$.ccls. 138/\$.ccls. 118/\$.ccls.) and "crank axle" and ("crank lever" or "crank arm")  | USPAT | 2004/08/19 12:53 |
| - | 765   | (405/\$.ccls. 138/\$.ccls. 118/\$.ccls.) and axle and (lever or arm)  | USPAT | 2004/08/19 12:53 |

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|---|------|---|-------|------------------|
| - | 330  | (405/\$.ccls. 138/\$.ccls. 118/\$.ccls.) and (axle same (lever or arm))   | USPAT | 2004/08/19 12:54 |
| - | 37   | ((405/\$.ccls. 138/\$.ccls. 118/\$.ccls.) and (axle same (lever or arm))) and (tunnel pipe pipeline conduit duct) and (lining liner lined)              | USPAT | 2004/08/19 12:55 |
| - | 13   | ((405/\$.ccls. 138/\$.ccls. 118/\$.ccls.) and (axle same (lever or arm))) and (tunnel pipe pipeline conduit duct) and (lining liner lined)) and spray\$ | USPAT | 2004/08/19 13:01 |
| - | 8901 | (405/\$.ccls. 138/\$.ccls. 118/\$.ccls.) and spray\$  | USPAT | 2004/08/19 13:07 |
| - | 485  | ((405/\$.ccls. 138/\$.ccls. 118/\$.ccls.) and spray\$) and helical  | USPAT | 2004/08/19 13:07 |
| - | 249  | ((405/\$.ccls. 138/\$.ccls. 118/\$.ccls.) and spray\$) and helical) and (helical same (coat\$ spray\$ appli\$ apply))                                   | USPAT | 2004/08/19 16:12 |